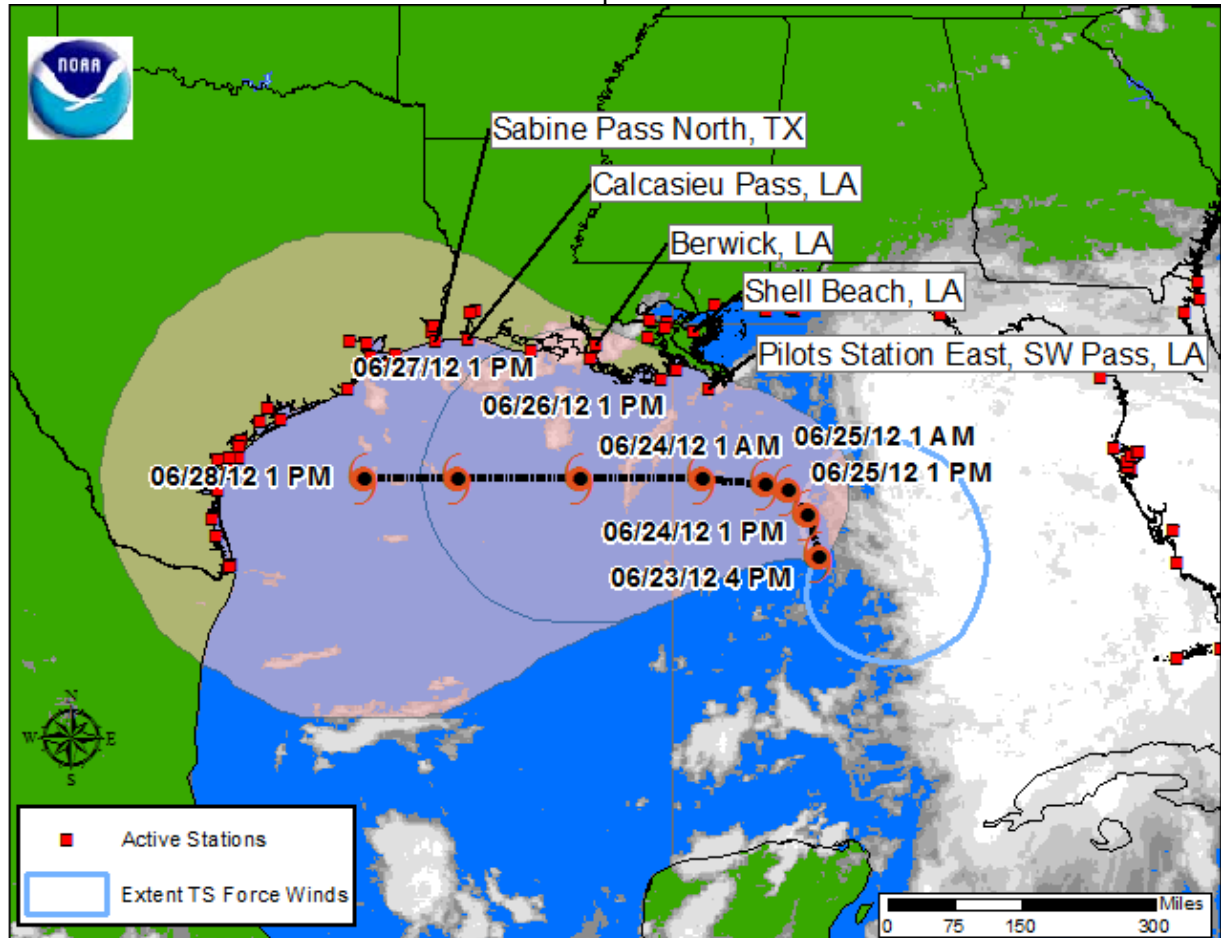




Tropical Storm DEBBY QuickLook  
Posted: 18:00 EDT 06/23/2012



NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 06/23/2012 18:00 EDT, water levels from Louisiana to Texas are about 1 foot above predicted tide levels. In Berwick, LA water levels are about 1 foot below predicted tide levels though.

Winds range from 5-15 knots at all stations except for Pilots Station East where winds are 15-25 knots.

Barometric pressure is steadily falling at all stations from Louisiana to Texas.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.1 ft (0.33 m) at 06/24/2012 10:47 CDT and 0.9 ft (0.27 m) at 06/25/2012 10:17 CDT.

Tropical Storm DEBBY QuickLook, POSTED 18:00 EDT 06/23/2012

Shell Beach, LA: Next predicted high tides are 1.3 ft (0.41 m) at 06/23/2012 17:21 CDT and 1.1 ft (0.35 m) at 06/24/2012 17:51 CDT.

Berwick, LA: Next predicted high tides are 0.3 ft (0.10 m) at 06/23/2012 20:08 CDT and 0.4 ft (0.11 m) at 06/24/2012 11:03 CDT.

Calcasieu Pass, LA: Next predicted high tides are 1.9 ft (0.58 m) at 06/24/2012 07:37 CDT and 1.5 ft (0.46 m) at 06/24/2012 17:32 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.2 ft (0.36 m) at 06/23/2012 17:07 CDT and 1.5 ft (0.47 m) at 06/24/2012 08:15 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: PFF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

WTNT34 KNHC 23205  
TROPICAL STORM DEBBY ADVISORY NUMBER 1  
NWS NATIONAL HURRICANE CENTER MIAMI FL AL042012  
400 PM CDT SAT JUN 23 2012

...TROPICAL STORM DEBBY FORMS IN THE CENTRAL GULF OF MEXICO TROPICAL STORM WARNING ISSUED FOR A PORTION OF THE LOUISIANA COAST...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

A TROPICAL STORM WARNING HAS BEEN ISSUED FROM THE MOUTH OF THE PEARL RIVER WESTWARD TO MORGAN CITY LOUISIANA...NOT INCLUDING THE CITY OF NEW ORLEANS OR LAKE PONTCHARTRAIN.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

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AIRCRAFT RECONNAISSANCE AND BUOY DATA INDICATE THAT THE AREA OF LOW PRESSURE IN THE GULF OF MEXICO HAS BECOME TROPICAL STORM DEBBY.

AT 400 PM CDT THE CENTER OF TROPICAL STORM DEBBY WAS LOCATED 220 MI SSE OF THE MOUTH OF THE MISSISSIPPI RIVER. DEBBY IS MOVING TOWARD THE NORTH NEAR 6 MPH. A SLOW NORTHWARD MOTION IS EXPECTED TONIGHT FOLLOWED BY A WESTWARD TURN ON

Tropical Storm DEBBY QuickLook, POSTED 18:00 EDT 06/23/2012

SUNDAY.ON THE FORECAST TRACK THE CENTER OF DEBBY WILL BE MOVING OVER THE NORTHERN GULF OF MEXICO DURING THE NEXT FEW DAYS.

MAXIMUM SUSTAINED WINDS ARE NEAR 50 MPH WITH HIGHER GUSTS. THESE WINDS ARE OCCURRING WELL EAST OF THE CENTER OF CIRCULATION. SOME STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 175 MILES TO THE EAST OF THE CENTER.

MINIMUM CENTRAL PRESSURE ESTIMATED FROM RECONNAISSANCE DATA IS 1001 MB.

HAZARDS AFFECTING LAND

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WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO FIRST REACH THE COAST WITHIN THE WARNING AREA BY SUNDAY NIGHT...MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

MISSISSIPPI AND SOUTHEASTERN LOUISIANA...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

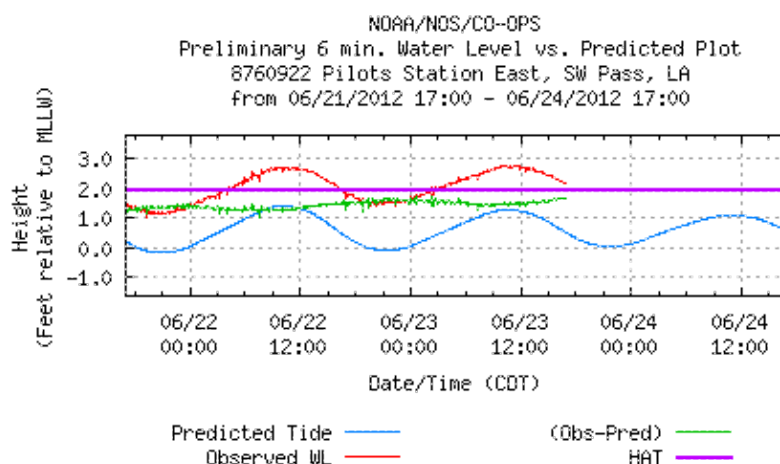
RAINFALL...DEBBY IS EXPECTED TO PRODUCE RAIN ACCUMULATIONS OF 3 TO 6 INCHES ALONG THE GULF COAST FROM SOUTHERN LOUISIANA TO THE FLORIDA PANHANDLE...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 10 INCHES.

FORECASTER BERG/AVILA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Pilots Station East, SW Pass - Air/Water Temp](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Shell Beach - Air/Water Temp](#), [Berwick - Water Level](#), [Berwick - Winds](#), [Berwick - Barometric](#), [Berwick - Air/Water Temp](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Calcasieu Pass - Air/Water Temp](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Sabine Pass North - Air/Water Temp](#),

Pilots Station East, SW Pass, LA - Return to List

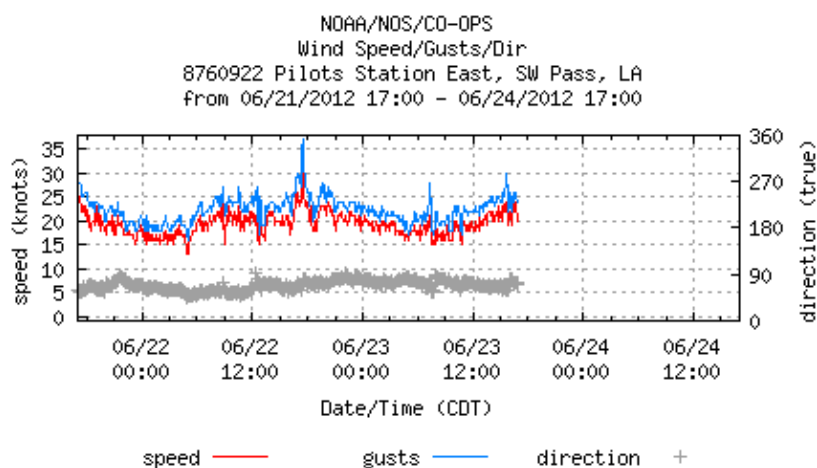


Last Observed Sample: 06/23/2012 16:54 (CDT)

Relative to MLLW: **Observed: 2.15 ft.** **Predicted: 0.50 ft.** **Residual: 1.65 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

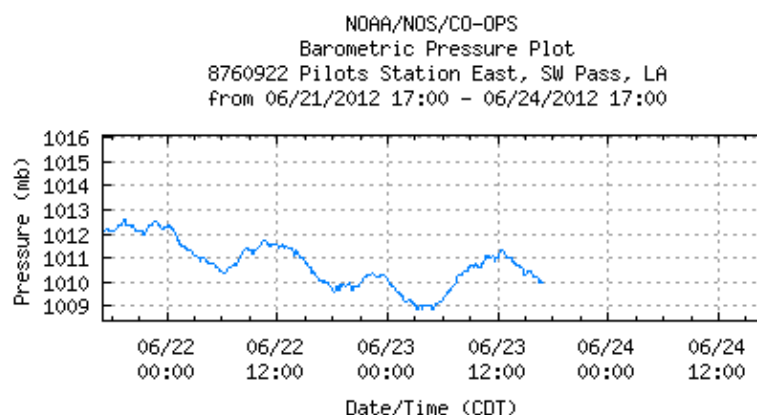
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 06/23/2012 16:54 (CDT)

**Wind Speed: 21 knots** **Gusts: 24 knots** **Direction: 71° T**

Pilots Station East, SW Pass, LA - Return to List

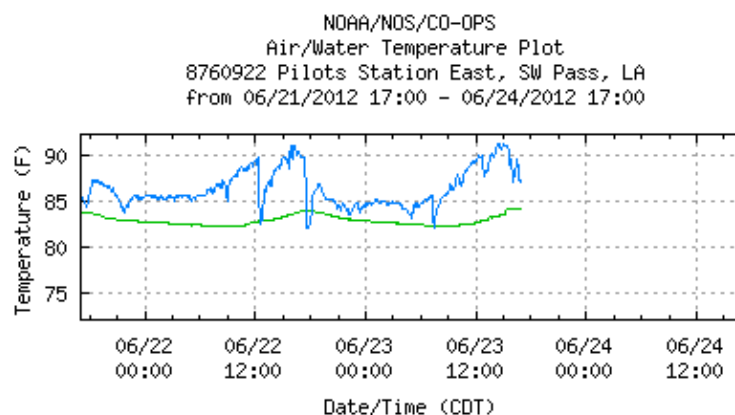


barometric pressure —

Last Observed Sample: 06/23/2012 16:54 (CDT)

Barometric Pressure: 1010.0 mb

Pilots Station East, SW Pass, LA - Return to List



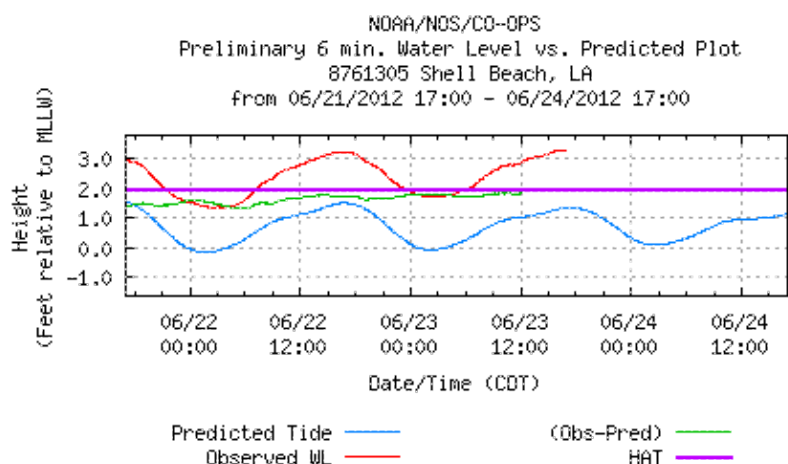
water temp. —

air temp —

Last Observed Sample: 06/23/2012 16:54 (CDT)

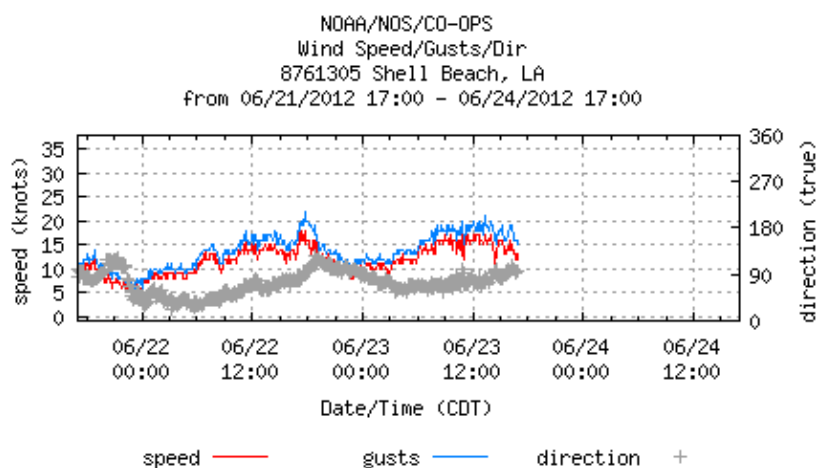
Water Temperature: 84.0° F Air Temperature: 87.1° F

Shell Beach, LA - Return to List



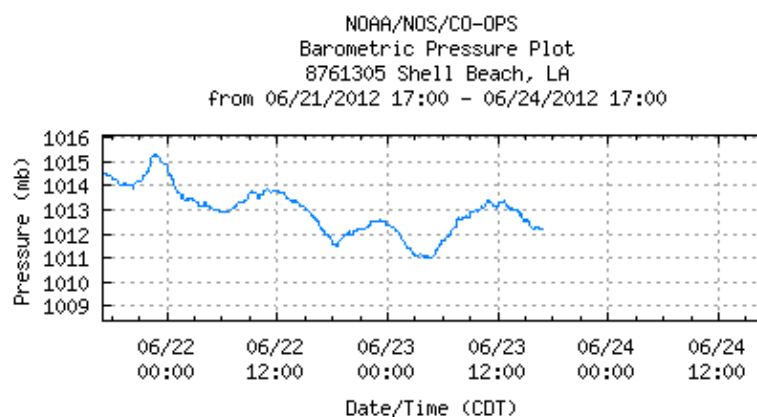
Last Observed Sample: 06/23/2012 16:54 (CDT)  
Relative to MLLW: **Observed: 3.30 ft.** **Predicted: 1.34 ft.** **Residual: 1.96 ft.**  
Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

Shell Beach, LA - Return to List



Last Observed Sample: 06/23/2012 16:54 (CDT)  
**Wind Speed: 13 knots** **Gusts: 15 knots** **Direction: 98° T**

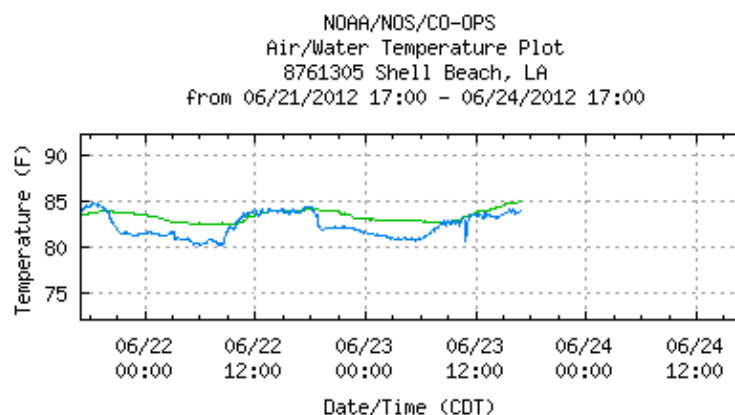
Shell Beach, LA - Return to List



barometric pressure —

Last Observed Sample: 06/23/2012 16:54 (CDT)  
Barometric Pressure: 1012.2 mb

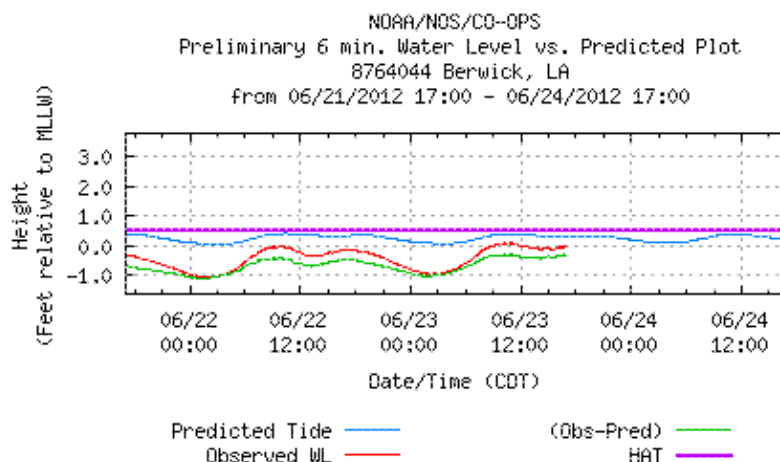
Shell Beach, LA - Return to List



water temp. — air temp —

Last Observed Sample: 06/23/2012 16:54 (CDT)  
Water Temperature: 85.0° F Air Temperature: 83.9° F

[Berwick, LA - Return to List](#)

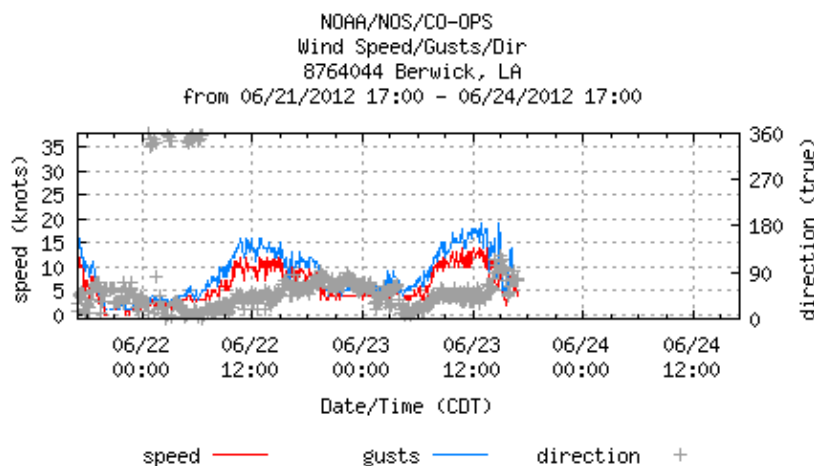


Last Observed Sample: 06/23/2012 16:54 (CDT)

Relative to MLLW: **Observed: -0.06 ft.** **Predicted: 0.27 ft.** **Residual: -0.33 ft.**

Historical Maximum Water Level: May 3 2008, 3.7 ft. above MHHW

[Berwick, LA - Return to List](#)

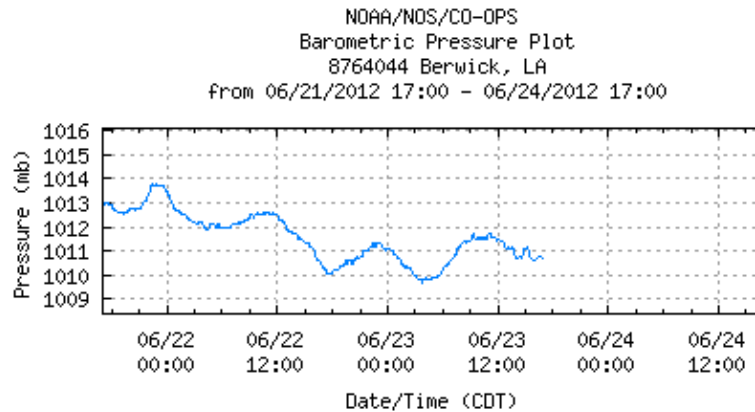


Last Observed Sample: 06/23/2012 16:54 (CDT)

**Wind Speed: 4 knots** **Gusts: 6 knots** **Direction: 79° T**



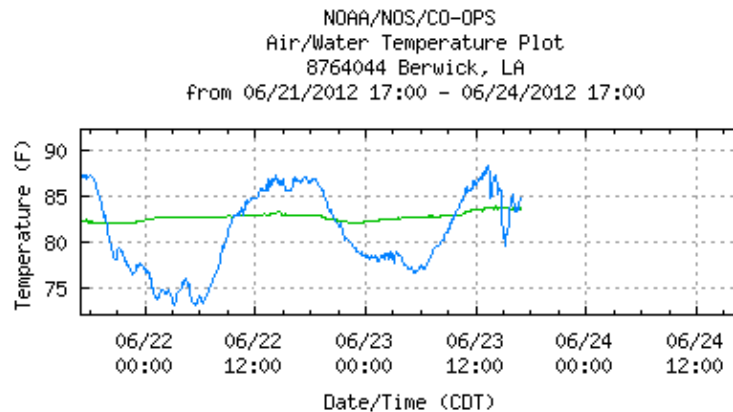
[Berwick, LA - Return to List](#)



Last Observed Sample: 06/23/2012 16:54 (CDT)

Barometric Pressure: 1010.7 mb

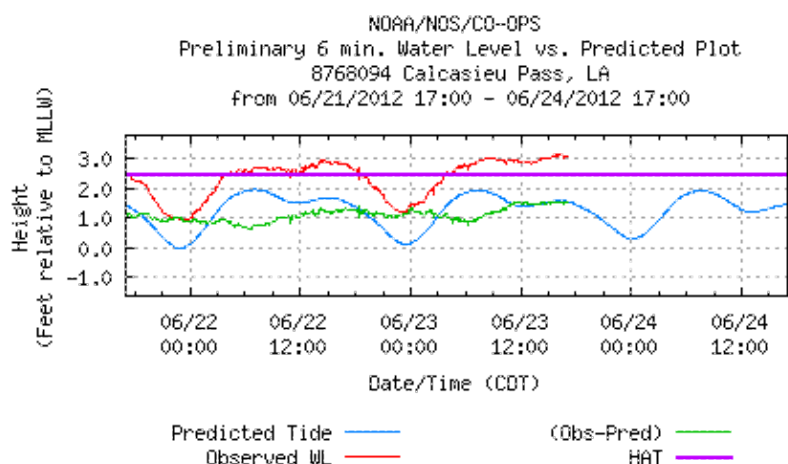
[Berwick, LA - Return to List](#)



Last Observed Sample: 06/23/2012 16:54 (CDT)

Water Temperature: 83.5° F Air Temperature: 84.6° F

Calcasieu Pass, LA - Return to List

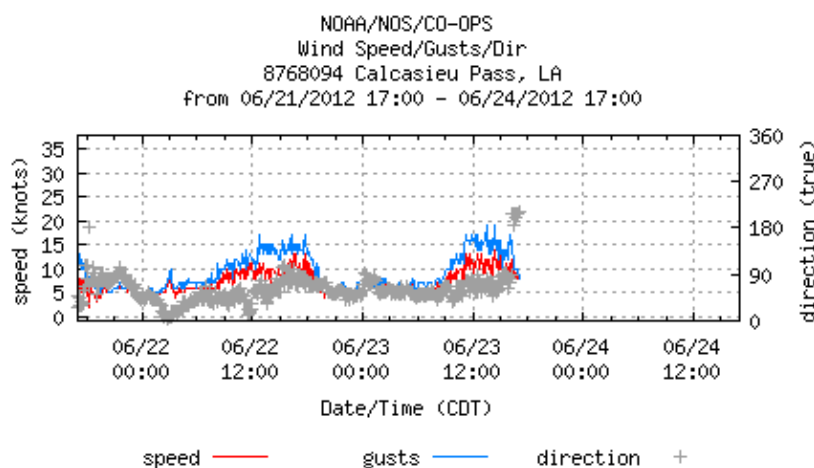


Last Observed Sample: 06/23/2012 17:00 (CDT)

Relative to MLLW: **Observed: 3.08 ft.** **Predicted: 1.55 ft.** **Residual: 1.53 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

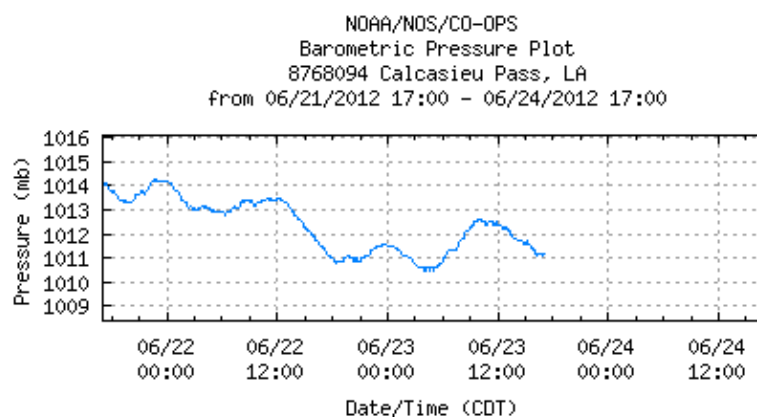
Calcasieu Pass, LA - Return to List



Last Observed Sample: 06/23/2012 17:00 (CDT)

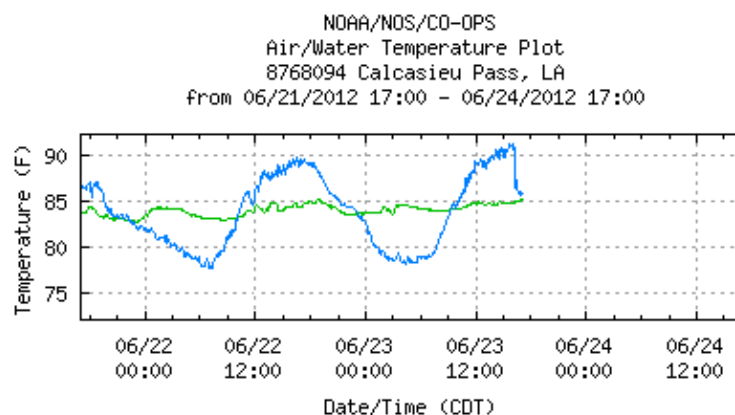
**Wind Speed: 8 knots** **Gusts: 8 knots** **Direction: 210° T**

Calcasieu Pass, LA - Return to List



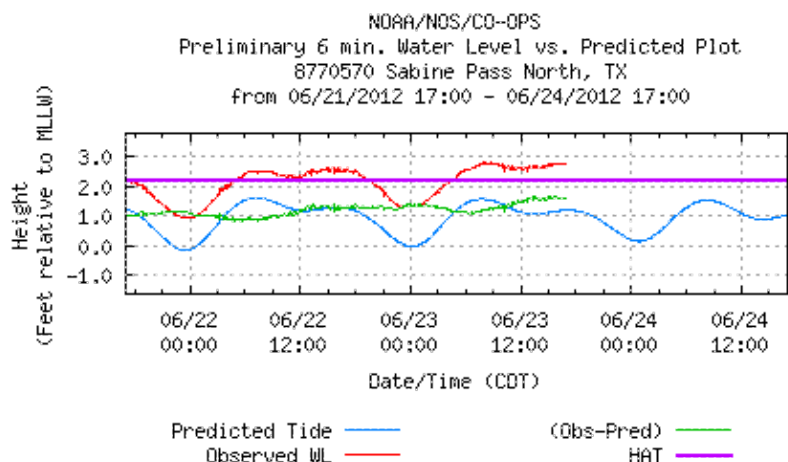
barometric pressure —  
Last Observed Sample: 06/23/2012 17:00 (CDT)  
Barometric Pressure: 1011.2 mb

Calcasieu Pass, LA - Return to List



water temp. — air temp —  
Last Observed Sample: 06/23/2012 17:00 (CDT)  
Water Temperature: 85.1° F Air Temperature: 85.8° F

Sabine Pass North, TX - Return to List

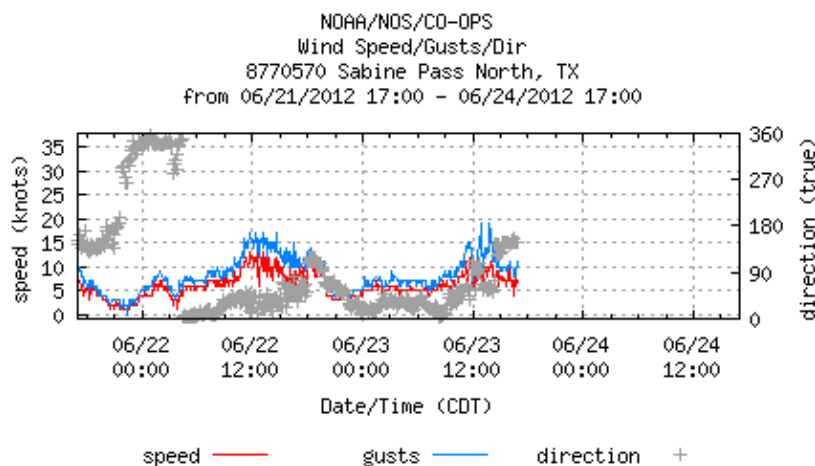


Last Observed Sample: 06/23/2012 16:48 (CDT)

Relative to MLLW: **Observed: 2.77 ft.** **Predicted: 1.19 ft.** **Residual: 1.58 ft.**

Historical Maximum Water Level: Sep 13 2008, 12.71 ft. above MHHW

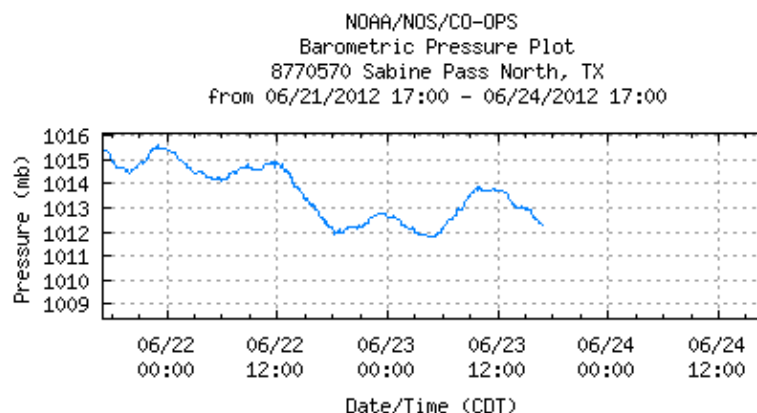
Sabine Pass North, TX - Return to List



Last Observed Sample: 06/23/2012 16:48 (CDT)

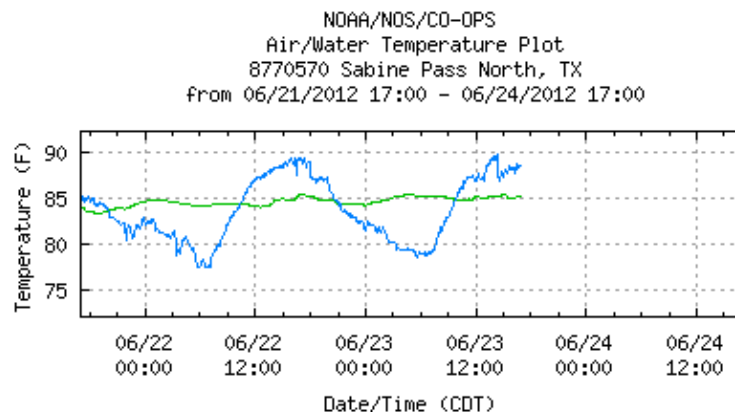
**Wind Speed: 7 knots** **Gusts: 11 knots** **Direction: 149° T**

[Sabine Pass North, TX - Return to List](#)



barometric pressure —  
Last Observed Sample: 06/23/2012 16:48 (CDT)  
Barometric Pressure: 1012.3 mb

[Sabine Pass North, TX - Return to List](#)



water temp. — air temp —  
Last Observed Sample: 06/23/2012 16:48 (CDT)  
Water Temperature: 85.1° F Air Temperature: 88.5° F

Tropical Storm DEBBY QuickLook, POSTED 18:00 EDT 06/23/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce